

R. Shukla

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1632

#8

12-6-00

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/357,675A

DATE: 07/18/2000
TIME: 13:50:01

ENTERED

Input Set : A:\Seqlist.txt
Output Set : N:\CRF3\07182000\I357675A.raw

4 <110> APPLICANT: Croce, M.D., Carlo M.
6 <120> TITLE OF INVENTION: Nitrilase Homologs
9 <130> FILE REFERENCE: CRO01.NP001
11 <140> CURRENT APPLICATION NUMBER: 09/357,675A
12 <141> CURRENT FILING DATE: 1999-07-20
14 <150> PRIOR APPLICATION NUMBER: 60/093,350
15 <151> PRIOR FILING DATE: 1998-07-20
17 <160> NUMBER OF SEQ ID NOS: 18
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1416
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo Sapiens
26 <220> FEATURE:
27 <221> NAME/KEY: gene
28 <222> LOCATION: (0)...(0)
29 <223> OTHER INFORMATION: n=a
31 <400> SEQUENCE: 1

W--> 32 gccactgc tgcggcctnt ctggctccag accgcccctc ggatcgagcc ctgcgaatgg 60
33 ttttggtat atcttcatgt aggacctact cctatcccgc tcggcccgcg ctgggcttca 120
34 tcaccaggcc tcttcacaga ttctgtgtcc ttctgtgtcc tggactccgg atacctcaac 180
35 tctcagtact ttgtgtctcag ccagggccca gagccatggc tatctctctt tctcctgcg 240
36 aactgcccct ggtggctgtg tgccaggtaa catcgacgcc agacaagcaa cagaacttta 300
37 aaacatgtgc tgagctggtt cgagaggctg ccagactggg tgccctgcctg gctttcctgc 360
38 ctgaggcatt tgacttcatt gcacgggacc ctgcagagac gctacacctg tctgaaccac 420
39 tgggtgggaa acttttgaa gaataacccc agcttgccag ggaatgtgga ctctggctgt 480
40 ccttgggtgg tttccatgag cgtggccaag actgggagca gactcagaaa atctacaatt 540
41 gtcacgtgct gctgaacagc aaaggggagc tagtggccac ttacagggaag acacatctgt 600
42 gtgacgtaga gattccaggc caggggccta tgtgtgaaag caactctacc atgcctgggc 660
43 ccagtcttga gtcacctgtc agcacaccag caggcaagat tggcttagct gtctgctatg 720
44 acatgcggtt ccctgaactc tctctggcat tggctcaagc tggagcagag atacttacct 780
45 atccttcagc ttttgatcc attacaggcc cagcccactg ggaggtgttg ctgcgggccc 840
46 gtgctatoga aaccacgtgc tatgtagtgg cagcagcaca gtgtggacgc caccatgaga 900
47 agagagcaag ttatggccac agcatggtgg tagaccctg gggaacagtg gtggcccgtc 960
48 gctctgaggg gccaggcctc tgcccttgccc gaatagacct caactatctg cgacagttgc 1020
49 gccgacacct gcctgtgttc cagcacccga ggcctgacct ctatggcaat ctgggtcacc 1080
50 cactgtctta agacttgact tctgtgagtt tagacctgcc cctcccaccc ccaccctgcc 1140
51 actatgagct agtgtctatg tgacttgag gcaggatcca ggcacagctc cctcacttg 1200
52 gagaaccttg actctcttga tggaacacag atgggctgct tgggaaagaa actttcacct 1260
53 gagcttcacc tgaggtcaga ctgcagtttc agaaagggtg aattttatat agtcattggt 1320
54 tatttcatgg aaactgaagt tctgtgagg gctgagcagc actggcattg aaaaatataa 1380
55 taatcataaa gtcaaaaaaa aaaaaaaaaa aaaaaa 1416
57 <210> SEQ ID NO: 2
58 <211> LENGTH: 23
59 <212> TYPE: DNA
60 <213> ORGANISM: Homo sapiens
62 <400> SEQUENCE: 2

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Input Set : A:\Seqlist.txt

Output Set : N:\CRF3\07182000\I357675A.raw

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63 tctgaaactg cagtctgacc tca                23
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 21
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo sapiens
70 <400> SEQUENCE: 3                21
71 caggcacagc tcccctcact t
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 20
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <223> OTHER INFORMATION: n=a, g, c or t
81 <400> SEQUENCE: 4                20
W--> 82 gtngtnccng gncaygtngt
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 26
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
89 <220> FEATURE:
90 <223> OTHER INFORMATION: n=a, g, c or t
92 <400> SEQUENCE: 5                26
W--> 93 acrtgnacrt gyttnacngt ytgngc
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 21
97 <212> TYPE: DNA
98 <213> ORGANISM: Drosophila melanogaster
100 <400> SEQUENCE: 6                21
101 gcgcctttgt ggcctcgact g
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 21
105 <212> TYPE: DNA
106 <213> ORGANISM: Drosophila melanogaster
108 <400> SEQUENCE: 7                21
109 cgggtggcgga agttgtctgg t
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 20
113 <212> TYPE: DNA
114 <213> ORGANISM: Caenorhabditis elegans
116 <400> SEQUENCE: 8                20
117 gtggcggctg ctcaaaactgg
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 21
121 <212> TYPE: DNA
122 <213> ORGANISM: Caenorhabditis elegans
124 <400> SEQUENCE: 9                21
125 tcgcgacgat gaacaagtcg g
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 19

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Input Set : A:\Seqlist.txt
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129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 10
133 gccctccgga tcggaccct 19
135 <210> SEQ ID NO: 11
136 <211> LENGTH: 20
137 <212> TYPE: DNA
138 <213> ORGANISM: Homo sapiens
140 <400> SEQUENCE: 11
141 gacctactcc ctatccgctc 20
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 21
145 <212> TYPE: DNA
146 <213> ORGANISM: Homo sapiens
148 <400> SEQUENCE: 12
149 gctgcgaagt gcacagctaa g 21
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 24
153 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
156 <400> SEQUENCE: 13
157 aaactgaagc ctctttcctc tgac 24
159 <210> SEQ ID NO: 14
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Homo sapiens
164 <400> SEQUENCE: 14
165 tgggcttcat caccaggcct 20
167 <210> SEQ ID NO: 15
168 <211> LENGTH: 22
169 <212> TYPE: DNA
170 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 15
173 ctgggctgag cacaaagtac tg 22
175 <210> SEQ ID NO: 16
176 <211> LENGTH: 21
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
180 <400> SEQUENCE: 16
181 gcttgctctgg cgctgatgtt a 21
183 <210> SEQ ID NO: 17
184 <211> LENGTH: 36
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 17
189 tgacgtcgac atatgtcaac tctagttaat accacg 36
191 <210> SEQ ID NO: 18
192 <211> LENGTH: 25
193 <212> TYPE: DNA

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Input Set : A:\Seqlist.txt
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194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 18
197 tgggtacctc gactagctta tgtcc

25

VERIFICATION SUMMARY DATE: 07/18/2000
PATENT APPLICATION: US/09/357,675A TIME: 13:50:02

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\07182000\I357675A.raw

L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:82 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:82 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:82 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:93 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:93 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:93 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5